LISTING OF THE CLAIMS

This listing of claims will replace the prior version of claims in the application.

What is claimed is:

1. (Original) A magnetic head supporting structure, comprising:

a magnetic head support structure component having a surface with fewer than 40 inclusions having largest dimension between 0.5 μm and 2 μm, per square millimeter.

2. (Original) A magnetic head supporting structure comprising:

a magnetic head support structure component having a surface with fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5 μm and 2 μm, per square millimeter.

3. (Withdrawn) A magnetic head supporting structure comprising:

a magnetic head support structure component comprising remelted metal.

4. (Withdrawn) The magnetic head supporting structure of claim 3 wherein the component comprises a swage mount.

5. (Withdrawn) The magnetic head supporting structure of claim 3 wherein the component comprises a magnetic head suspension spring.

6. (Withdrawn) The magnetic head supporting structure of claim 3 wherein the component comprises a magnetic head actuator arm.

7. . (Withdrawn) The magnetic head supporting structure of claim 3 having a surface with fewer than 40 inclusions having largest dimension between 0.5 μm and 2 μm, per square millimeter.

8. (Withdrawn) The magnetic head supporting structure of claim 3 having a surface with fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5 μm and 2 μm, per square millimeter.

9. (Withdrawn) A magnetic recording head supporting structure comprising:

a magnetic head support structure component having one or more regions subjected to plastic deformation during manufacture, at least one of said regions comprising remelted metal.

10. (Withdrawn) The magnetic head supporting structure of claim 9 having a surface in at least one of said regions having fewer than 40 inclusions having largest dimension between 0.5 μm and 2 μm, per square millimeter.

11. (Withdrawn) The magnetic head supporting structure of claim 9 having a surface in at least one of said regions having fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5 μm and 2 μm, per square millimeter.

12. (Withdrawn) A method of fabricating a magnetic head supporting structure comprising:

a step for reducing inclusions having largest dimension between 0.5 μm and 2 μm and having hardness of 4 or higher on Mohs' Scale.

13. (Withdrawn) A method of fabricating a magnetic head supporting structure comprising:

reducing inclusions having largest dimension between 0.5 μm and 2 μm; and

inducing plastic deformation in one or more regions of the magnetic head supporting structure.

14. (Withdrawn) The method of claim 13 wherein reducing inclusions includes remelting a solid volume of metal.

15. (Withdrawn) The method of claim 13 wherein said inclusions are reduced to a point where fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5 μm and 2 μm are present per square millimeter of the surface of the magnetic head supporting structure in at least one of said regions.

16. (Withdrawn) The method of claim 14 wherein the remelting is accomplished in the presence of a slag comprising a non-metal oxide.

17. (Withdrawn) The method of claim 14 wherein the remelting is accomplished in an evacuated atmosphere.

18. (Withdrawn) The method of claim 16 wherein the non-metal oxide comprises calcium biflouride.

19. (Withdrawn) A method to manufacture a swage mount for a magnetic recording head support structure, comprising:

remelting stainless steel to reduce inclusions,

rolling the stainless steel to an initial thickness between 0.1 mm to O.5 mm,

stamping and forming the rolled stainless steel into the shape of a swage mount, and

heat treating the resulting part.

20. (Withdrawn) The method of claim 19 wherein the heat treating includes annealing.

21. (Withdrawn) The method of claim 19 wherein the remelting is electroslag remelting.

22. (Withdrawn) The method of claim 19 wherein the remelting is accomplished in an evacuated atmosphere.

23. (Withdrawn) The method of claim 19 wherein said inclusions are reduced to a point where fewer than 40 inclusions having hardness 4 or higher on Mohs' Scale and having largest dimension between 0.5 μm and 2 μm are present per square millimeter of the surface of the swage mount.

24. (Withdrawn) The method of claim 21 wherein the remelting is accomplished in the presence of a non-metal oxide.

25. (Withdrawn) The method of claim 23 wherein the non-metal oxide comprises calcium biflouride.